

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION - MATERIALS LABORATORY
PO BOX 47365 OLYMPIA, WA 98504/STREET-1655 S. 2nd AVE TUMWATER, WA 98512

BITUMINOUS SECTION TEST REPORT
TEST OF PAVING ASPHALTS

GRADE: PG70-22 Antistrip: %
SUPPLIER: U.S. OIL Type:
SHIPPER: U.S. OIL
DATE RECD: 06/24/2010
SR NO: COUNTY:
SECTION: PORT OF TACOMA RD TO KING CO

WORK ORDER # 007779
TRANS. LTR.# 1078A9
LAB.IDENT. # 00001078A9
ASPH. LAB. # A100352
BID ITEM. # 93.02
REGION # 43

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ACCEPTANCE NO.	ASSURANCE NO.	CERT NO.	DATE SAMPLED
9		278964	06/21/2010

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TEST: RESULTS: SPECIFICATIONS:

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ORIGINAL PROPERTIES:

VISCOSITY

(BROOKFIELD) @ 135 C, Pa s	1.2	3 MAXIMUM
DYNAMIC SHEAR @ 70 C, kPa	1.94	1.00 MINIMUM
C.O.C. FLASH POINT, C		230 MINIMUM

RTFO AGED PROPERTIES:

MASS LOSS AFTER RTFO, %	0.11	1.00 MAXIMUM
DYNAMIC SHEAR @ 70 C, kPa	3.50	2.20 MINIMUM
MSCR @ 3.2 kPa @ 58 C, %	32	REPORT ONLY
DIFFERENCE RECOVERY, %	8.4	REPORT ONLY
NON-RECOVERABLE COMPLIANCE, Jnr	0.3	REPORT ONLY

MSCR and Jnr testing performed at PG base grade temperature

PAV AGED PROPERTIES:

PAV AGING TEMPERATURE C	100.0	
DYNAMIC SHEAR @ 28 C, kPa	2394	5000 MAXIMUM
DYNAMIC SHEAR @ 22 C, kPa	5080	REPORT ONLY
CREEP STIFFNESS @ -12 C		
"S", MPa	148	300 MAXIMUM
"m"	0.333	0.300 MINIMUM

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OSC LABORATORY:

Materials File	X	Material does MEET
General File	X	specification requirements.
		Remarks:

REGION: OLYMPIC

Construction Engineer	43	X
Materials Engineer	43	X

PE: R. SUAFOA X(2)
U.S. OIL X

THOMAS E. BAKER, P.E.
Materials Engineer

T-119	3	T-126
T-120	1	T-132
T-121	1	T-133
T-124	1	T-136
T-130	1	
T-131	1	
T-134		
T-173		

By: Joseph R. DeVol 

Date 07/14/2010
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